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INDEXED.

Winter Wholesale T. List

1913-14

From Lake

*Shenandoah
Nursery*

WINTER
1913 - - 1914
WHOLESALE TRADE - LIST

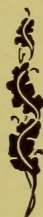
1913

1914

Winter Wholesale Trade - List

.....OF.....

Fruit Tree Stocks, Forest Tree
Seedlings, Nurserymen's Supplies
Root Grafts, Scions, Tree Seeds



ALL ORDERS WILL HAVE OUR CAREFUL
AND PROMPT ATTENTION

SHENANDOAH NURSERIES

D. S. LAKE, President

SHENANDOAH, IOWA

ESTABLISHED 1870

INCORPORATED 1913

Conditions of Sale

SHIPPING—Parties ordering should state how they want goods shipped, by freight or by express, also route. When no instructions are given, we forward to the best of our judgment. But in no case will we assume responsibility after delivery to the forwarding companies.

When losses occur by delays or other causes of whatever nature while goods are in transit, make claim AT ONCE on the forwarding companies.

PAYMENT—Cash or security before shipment of goods except with established firms when if unknown to us references will be required before goods are forwarded. Orders to be sent C. O. D. should be accompanied by one-fourth cash.

PRICES—Are limited to winter 1913-1914 and supersede all previous quotations on the stock herein listed and are subject to change without notice.

CLAIMS—For deductions will receive consideration only when made within six days after receipt of goods.

CAUTION—We accept all orders upon condition that they shall be void should injury befall stock from frost, fire, hailstorms, or other causes over which we have no control.

OUR GUARANTEE OF GENUINENESS—While we exercise proper diligence to have our trees, etc. true to label and hold ourselves in readiness, on proper proof, to replace all trees, etc. that may prove untrue to label, free of charge or refund the amount paid, it is mutually understood and agreed between the purchaser and ourselves that our guarantee of genuineness shall in no case make us liable for any sum greater than originally received for said trees etc. that prove untrue.

TREATMENT OF NURSERY STOCK—That has been received during frosty weather. Place the package, UNOPENED in a cool cellar or some such place, that is free from frost, until perfectly thawed. DO NOT BE IN A HURRY TO OPEN. Stock can remain in this condition for a week or two, if the boxes are covered with moss, saw dust, earth, or something to exclude air. Then they can be unpacked. Treated thus, they will not be injured by freezing.

SHIPPING FACILITIES—We have the C. B. & Q., Wabash and Keokuk & Western Railroads, and have low freight rates with direct lines to Chicago, Denver, Kansas City, Minneapolis, Omaha, St. Louis and other central points. The Adams and Wells-Fargo express companies give us good express service.

SPRING 1914

The upper grades of nearly all kinds of nursery stock promise to be scarce the coming Spring. However we have a most complete assortment in our storage and will be glad to quote on your "List of Wants."

Fruit Tree Stocks

FRENCH GROWN

We have our own representative in France who has our seedlings grown on contract by small farmers. He looks after the grading and packing of all stocks, and they are then shipped in car load lots to us at Shenandoah. Here we open all the boxes and carefully inspect the condition and grading before sending them out to our customers. We believe those who have used our French Seedlings will say that our grades are usually better than the average. It is well to place orders for your wants at once, as some items are scarce.

	PER 1000
Apple Seedlings, extra heavy, 7-12 mm.....	\$10 00
“ “ 5-7 mm.....	6 00
“ “ 3-5 mm.....	3 50
“ “ Doucine, (Eng. Paradise) 6-10 mm..	10 00
“ “ Paradise, (French) 6-10 mm.....	12 00
Cherry, Mazzard Seedlings, 5-9 mm.....	8 00
“ “ “ 3-5 mm.....	5 00
“ “ “ 2-3 mm.....	3 00
“ Mahaleb “ 5-9 mm.....	8 50
“ “ “ 3-5 mm.....	5 50
“ “ “ 2-3 mm.....	3 00
Pear Seedlings, 7-12 mm.....	10 00
“ “ 5-7 mm.....	7 00
“ “ 3-5 mm.....	5 00
Plum, Myrobalan Seedlings, 5-9 mm.....	9 50
Quince Stocks, 7-12 mm	10 00
“ “ 5-7 mm	6 00
“ “ 3-5 mm	4 50
Manetti Rose Stocks, 5-10 mm.....	9 00
“ “ “ 3-5 mm.....	6 00
Multiflora Rose Stocks, 5-10 mm	8 50
“ “ “ 3-5 mm	6 00
Rosa Canina (Dog Rose) Stocks, 5-10 mm	10 00

mm means millimeter, twenty-five millimeters to the inch.

Boxing will be Charged at Cost.

Ornamental Tree Seedlings

IMPORTED

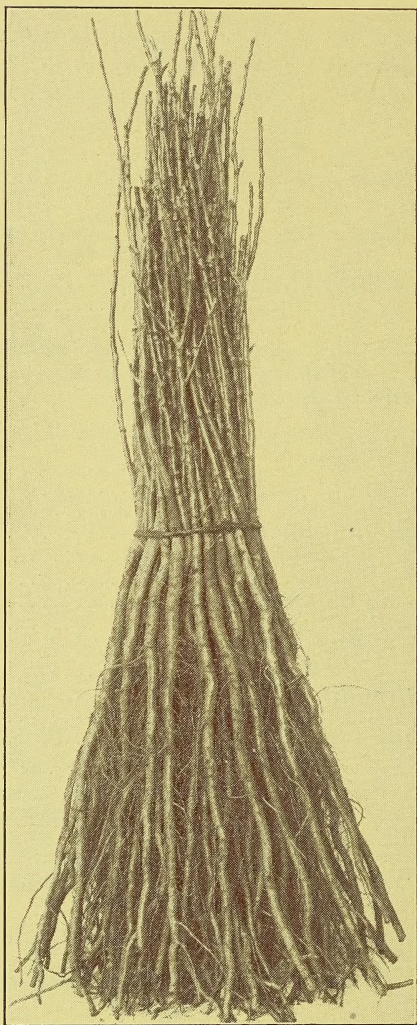
Acer Platanoides, Norway Maple, 3 to 4 feet.....	25 00
“ “ “ “ 2 to 3 “	12 50
“ “ “ “ 18 to 24 inches ...	9 00
“ “ “ “ 12 to 18 “	6 00
Betula Alba, White Birch, 2 to 3 feet	12 50
“ “ “ “ 18 to 24 inches	10 00
“ “ “ “ 12 to 18 “	7 50
Sorbus Aucuparia, Mt. Ash, 2 to 3 feet.....	20 00
“ “ “ “ 18 to 24 inches.....	16 00
“ “ “ “ 12 to 18 “	13 00

NOTE: In addition to the fruit tree stocks and tree seedlings listed above, we are in position to supply the trade with French and Holland grown ornamental trees and shrubs for lining out in the nursery row.

As our representative is in France the entire year, we can secure this stock to good advantage. It is very important that we have your list early as we can then select for you the very best stock at reasonable prices. It is now too late to order for this Spring's planting, but we shall be very glad to correspond with you regarding your wants for the following year.

Fruit Tree Stocks

AMERICAN GROWN



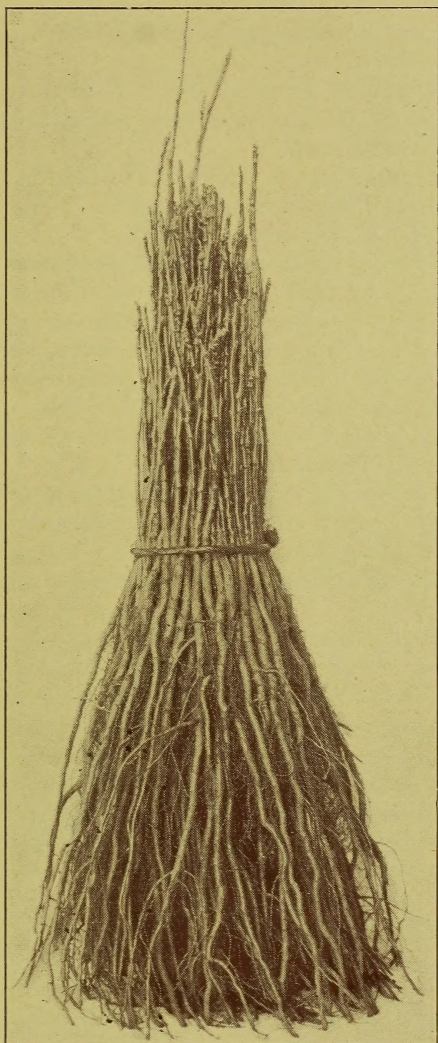
100 Apple Seedlings, No. 1, Straight

Apple Seedlings—While we do not have as large a supply this year as former seasons yet we still have some surplus in all grades and they are entirely free from any insects or disease and we are sure that they will be very satisfactory to the trade. We are in position to make shipments from either Topeka, Kans., or Shenandoah, Iowa. At both places we have special frost proof buildings for the grading and handling of apple seedlings.

The number three are suitable for light grafting or lining out to bud. The number four are too small to graft, but are suitable for lining out to bud.

Fruit Tree Stocks

AMERICAN GROWN



200 Apple Seedlings, No. 2, Straight

Apple Seedlings—	Extra heavy, 1-4 inch and all up straight
“ “	Extra heavy, 1-4 inch and all up branched
“ “	No. 1, 3-16 inch and up straight
“ “	No. 1, 3-16 inch and up branched
“ “	No. 2, 2-16 to 3-16 inch straight
“ “	No. 3, under 2-16 inch
“ “	No. 4,

As prices fluctuate, please ask for quotations, stating quantities and grades. We endeavor to meet honorable competition.

Pear Seedlings, Japan, No. 1, 3-16 inch and up	PER 1000
“ “ “ No. 3, under 2-16 inch	10 00
“ “ Kieffer, No. 1, 3-16 inch and up	5 00
Plum Seedling, Native, No. 1, 3-16 inch and up	10 00
“ “ “ No. 2, 2-16 to 3-16 inch	8 00
	6 00

Root Grafts

No part of our business receives more careful personal attention than the putting up of root grafts during the winter months.

At this time of the year we are in position to use our experienced men in the grafting room which insures skilled workmanship throughout.

We are prepared to put up grafts of any style or length wanted and make the price accordingly.

Orchard scions are used extensively and selected hardy seedlings grown by us from the best crab seed that can be procured.

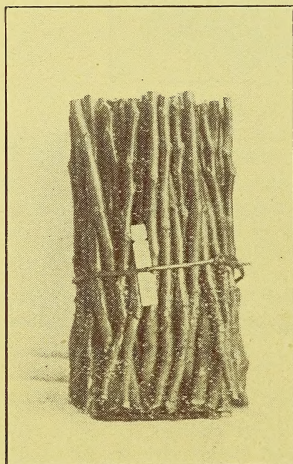
•While we are prepared to do machine wrapping, yet for our own planting we prefer the hand work which seems to give very satisfactory results. Each order is grafted by itself and packed separately until shipped. They are repacked and inspected several times during the winter so they are in the best of condition at shipping time.

It is very important that orders be placed early. We can then give them closer attention and supply a larger list of varieties than later in the season. Our grafting season begins about the first of January and continues throughout the winter.

Grafts should be planted out early in the spring in well prepared ground. In our own plantings we set them about eight inches apart in the row, making the rows three feet six inches wide. It is very essential that the earth be well pressed around them.

As our grafts are put up in bunches of one hundred, do not order a less amount of any one variety. We will be glad to mail samples upon request.

If ordered alone varieties marked with a star (*) in list of varieties on pages 10 and 11, the price will be one dollar per thousand higher than quoted in this list.



APPLE AND CRAB PIECE ROOT GRAFTS

Piece root grafts are made by using about six inches of scion and three and one half inches of root. They are tongued together and securely wrapped at the union, making the entire graft about eight and one half inches long. This style of graft we use mostly in our own plantings.

Per 1000

5000 and up.....\$4 00

1000 to 5000 5 00

Root Grafts

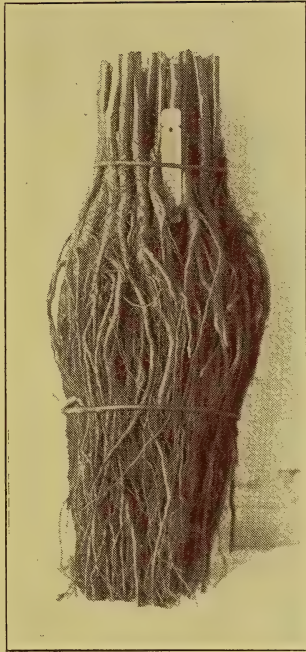
APPLE AND CRAB

WHOLE ROOT GRAFTS ON BRANCHED SEEDLINGS

This style of graft is made by using about six inches of scion and a well branched seedling. The entire seedling is used, making the union at the collar and wrapping with waxed thread which holds it firmly until calloused. Many nurserymen prefer to plant this kind of graft claiming that they get a larger growth owing to the well formed root system.

Per 1000

5000 and up\$7 00
1000 to 50008 00



APPLE AND CRAB

WHOLE ROOT GRAFTS ON STRAIGHT SEEDLINGS

Whole root grafts on straight seedlings are made in the same manner as those on branched roots, using the same length scion but a straight seedling instead of a branched. The entire seedling is used, making the union at the collar and wrapping with a waxed thread which holds the scion and the root firmly together until calloused.

Per 1000

5000 and up\$7 00
1000 to 50008 00



PEAR GRAFTS

Per 1000

Piece Root \$ 7 00
Whole Root on No. 1 French, branched Seedlings ... 12 00
“ “ “ No. 1 Straight Seedlings 10 00

WRITE FOR SPECIAL PRICES ON LARGE LOTS OF GRAFTS. FOR LIST OF VARIETIES SEE PAGES TEN AND ELEVEN. ALL GRAFTS BOXED FREE.

Surplus Scions

We have the following scions to offer which are graded 10 inches and up and tied 250 in a bunch. They are in good condition and sure to please.

25c per 100, \$1.75 per 1000

5000 Ben Davis	2000 Mo. Pippin
2000 Estaline	5000 N. W. Greening
5000 Gano	2000 Walbridge
3000 Ingram	5000 Winesap

30c per 100, \$2.00 per 1000

2000 Fall Pippin	2000 Shockley
5000 Jonathan	1000 Stark
3000 King	2000 Summer Queen
2000 Lawver	2000 Tolman Sweet
1000 Maiden Blush	5000 Wealthy
1000 Roman Stem	1500 Wolf River
1000 Salome	

Hedging

	PER 100	PER 1000
Barberry, Purple Leaved, 2 to 3 feet.....	8 00	.....
“ “ “ 18 to 24 inches.....	5 00	.....
“ “ “ 12 to 18 “.....	3 00	.....
“ “ “ 6 to 12 “.....	2 00	.....
“ Thunberg's, 2 to 3 feet.....	10 00	.....
“ “ 18 to 24 inches.....	8 00	.....
“ “ 12 to 18 “.....	5 00	.....
“ “ 6 to 12 “.....	3 00	.....
“ Vulgaris, 18 to 24 “.....	5 00	.....
“ “ 12 to 18 “.....	3 00	.....
“ “ 6 to 12 “.....	2 00	.....
Buckthorn, 18 to 24 inches.....	3 00	.....
“ 12 to 18 “.....	2 00	.....
Caragana Arborescens, 18 to 24 inches.....	4 00	.....
“ “ 12 to 18 “.....	3 00	.....
Honeysuckle, Tartarian, 3 to 4 feet.....	10 00	.....
“ “ 2 to 3 “.....	8 00	.....
“ “ 18 to 24 inches.....	6 00	.....
Locust, Honey, 18 to 24 inches.....	.....	4 00
“ “ 12 to 18 “.....	.....	2 75
“ “ 6 to 12 “.....	.....	1 00
Osage Orange, No. 1.....	.....	1 50
“ “ No. 2.....	.....	1 00
Privet, Amoor River North, 2 to 3 feet.....	5 00	.....
“ “ “ 18 to 24 inches.....	4 00	.....
“ California, 2 to 3 feet.....	2 50	20.00
“ “ 18 to 24 inches.....	2 00	15 00
“ “ 12 to 18 “.....	1 50	12 50
“ Iboia, 2 to 3 feet.....	5 00	.....
“ “ 18 to 24 inches.....	4 00	.....
“ “ 12 to 18 “.....	3 00	.....
“ Vulgaris, 2 to 3 feet.....	5 00	.....
“ “ 18 to 24 inches.....	3 00	.....
“ “ 12 to 18 “.....	2 00	.....
Quince, Japan Scarlet, 3 to 4 feet.....	10 00	.....
“ “ “ 2 to 3 “.....	8 00	.....
“ “ “ 18 to 24 inches.....	5 00	.....
“ “ “ 12 to 18 “.....	3 50	.....
“ “ “ 6 to 12 “.....	1 50	.....

Forest Tree Seedlings

NURSERY GROWN

	PER 1000
Ailanthus, 2 to 3 feet.....	\$10 00
“ 18 to 24 inches.....	8 00
“ 12 to 18 “.....	6 00
Ash, 2 to 3 feet.....	4 50
“ 18 to 24 inches.....	3 00
“ 12 to 18 “.....	2 00
Box Elder, 3 to 4 feet.....	6 00
“ “ 2 to 3 “.....	4 50
“ “ 18 to 24 inches.....	3 00
“ “ 12 to 18 “.....	2 00
Butternut, 18 to 24 “.....	12 00
“ 12 to 18 “.....	10 00
Catalpa, Speciosa, 2 to 3 feet.....	6 00
“ “ 18 to 24 inches.....	4 00
“ “ 12 to 18 “.....	3 00
“ “ 6 to 12 “.....	1 50
Cherry, Wild Black, 12 to 18 “.....	6 00
Chestnut, American Sweet, 6 to 12 inches.....	8 00
Elm, American White, 18 to 24 inches.....	3 50
“ “ “ 12 to 18 “.....	2 50
“ “ “ 6 to 12 “.....	1 50
Locust, Black, 2 to 3 feet.....	4 00
“ “ 18 to 24 inches.....	3 00
“ “ 12 to 18 “.....	2 50
“ Honey, 18 to 24 “.....	4 00
“ “ 12 to 18 “.....	2 75
“ “ 6 to 12 “.....	1 00
Maple, Soft or Silver Leaved, 18 to 24 inches.....	4 50
“ “ “ 12 to 18 “.....	3 50
Mulberry, Russian, 2 to 3 feet.....	5 00
“ “ 18 to 24 inches.....	3 50
“ “ 12 to 18 “.....	2 50
“ “ 6 to 12 “.....	1 50
Olive, Russian, 18 to 24 inches.....	15 00
“ “ 12 to 18 “.....	12 50
“ “ 6 to 12 “.....	10 00
* Osage Orange, No 1.....	1 50
“ “ No 2.....	1 00
Poplar, Carolina, 3 to 4 feet.....	12 00
“ “ 2 to 3 “.....	9 00
“ “ 18 to 24 inches.....	5 00
Sycamore, 18 to 24 inches.....	12 00
“ 12 to 18 “.....	10 00
“ 6 to 12 “.....	8 00
Walnut, Black, 18 to 24 inches.....	8 00
“ “ 12 to 18 “.....	6 00
Willow, Russian Golden, 18 to 24 inches.....	6 00
“ “ “ 12 to 18 “.....	4 00

(*) Can supply Osage with tops if wanted.

Seeds

	PER LB.	100 LBS
Apple, American	25	.....
“ French Imported	35	.....
Ash	10	8 00
Box Elder	10	8 00
Catalpa, Speciosa	50	.....
Locust, Black	25	20 00
“ Honey	25	.....
Mulberry, Russian	1 75	.....
Peach Pits	1 75	per bu.
“ “ Stratified	2 00	“ “

Varieties of Apple, Crab and Pear Grafts

APPLE

Summer

Benoni	Early Strawberry	Summer Queen
*Carolina Red June	Golden Sweet	Sweet Bough
Chen. Strawberry	*Livl'd Raspberry	Sweet June
Cooper Ea. White	*Red Astrachan	Tetofsky
*Duch. of Oldenburg	Sops of Wine	Yel. Transparent
Early Harvest	Summer Pippin	

Autumn

Alexander	Gideon	Peerless
(Emperor)	Gravenstein	Peter
Aut. Strawberry	Haas	Pound Sweet
Bailey Sweet	Hibernal	(Lyman Pumpkin
Black Annette	Iowa Beauty	Sweet)
Charlamoff	Jefferis	Rambo
Cole Quince	Kaump	Ramsdell Sweet
Duchess No. 6.	Longfield	Red Bietigheimer
Estaline	Lowell	University
Fall Pippin	Maiden Blush	Utter Red
Fameuse (Snow)	Mc Mahon White	Wealthy
Flora Belle	Okabena	Yellow Horse

Winter

Allen Choice	Janet (Ralls)	Scott Winter
Anisim	Jonathan	Seek-No-Further
Arkansas Beauty	King of T. Co.	(Westfield)
Arkansas Black	Lansingburg	*Senator
Babbitt	(Del. Red Winter)	Shannon Pippin
Baldwin	L. R. Romanite	Sheriff
Banana	(Carthouse)	Shockley
Belle de Boskoop	Lawver	Smith Cider
Ben Davis	Malinda	*Spitzenburg
Big Romanite	M. B. Twig	(Esopus)
*Black Ben Davis	Mann	Stark
Boiken	*McIntosh Red	*Stayman Winesap
Buckingham	Milam	Sutton Beauty
(L. S. Pearmain)	(R. W. Pearmain)	Swaar
*Champion	Milwaukee	Tolman Sweet
*Chicago	Minkler	Twenty Ounce
Clayton	Missouri Pippin	Vandevere Pippin
Coffelt	Nickajack	*Wagener
Cranberry Pippin	Northern Spy	Walbridge
Day	N W. Greening	White Pippin
*Delicious	*Opalescent	W. W. Pearmain
Dominee	Patten Greening	Willow Twig
D. W. M. Blush	Payne Keeper	Windsor Chief
E. G. Russet	Perry Russet	Winesap
Fallawater	Pewaukee	W. S. Paradise
Gano	Plum Cider	Wisconsin Russet
Grimes Golden	Price Sweet	Wolf River
Hub. Nonesuch	R. I. Greening	Yellow Bellflower
Huntsman	Roman Stem	*Yel. Newt. Pippin
Ingram	*Rome Beauty	(Albemarle Pip.)
Iowa Blush	Roxbury Russet	York Imperial
Isham Sweet	Salome	

Varieties of Apple, Crab and Pear Grafts

CRAB

Alaska	Lyman Prolific	Soulard
Briar Sweet	Martha	Sylvan Sweet
Early Strawberry	Milton	Transcendent
Florence	Minnesota	Van Wyck Sweet
General Grant	Quaker Beauty	White Arctic
Gideon No. 4	Q. C. Cluster	Whitney
Hyslop	Red Siberian	Yellow Siberian
Lg. Red Siberian	Shields	

PEAR

*Bartlett	Garber	L. B. de Jersey
*Beurre d'Anjou	Howell	Seckel
Clapp's Favorite	Idaho	Sheldon
*Comice	Kieffer	Tyson
Duch d'Angouleme	Koonce	Vermont Beauty
Early Harvest	La Conte	Wilder
Flemish Beauty	Lawrence	*Winter Nelis

If ordered alone the varieties marked with a star (*) will cost One Dollar additional Per Thousand.

If you want special varieties that are not listed above, write us. If we do not have them, we may be able to secure them for you.

Nurserymen's Supplies

Box Clamp: Lever style, strongest, simplest, most efficient box clamps we have used, each.....	\$2 75
Box Straps: Made of thin sheet steel, cut into strips which average 12 inches long and 1 inch wide. Very strong, tough and pliable and holds the heaviest box. A nail can be driven through it readily without previous punching, per lb	05
Burlap: 7 ounces to the yard, 40 inches wide, per yard	07
Carpet Warp: For tying buds, comes in 5 lb. skeins, per lb	25
Collating Books: To collate orders. Ruled with printed head lines showing principal varieties, per book (if by mail add 2c.)	05
Delivery Cash Books: Have ruled spaces for name of customer, amount of order, amount collected, etc., holds 133 accounts, per book (if by mail add 2c.) ..	05
Dibbles: Used for planting out grafts, plants etc., each	1 00
Gloves: Leather front, cloth back, very serviceable, per pair	50
per dozen pair	5 25
Grafting Thread: Unwaxed, per ball (if by mail add 2c)	10
Waxed, per ball (one ball will wind about 4000 grafts (if by mail add 7c)	15
per box of 20 balls.	2 50
if by parcel post add for postage on a weight of 6 oz. per ball.	
Knives, Budding: Wostenholm's I. X. L., ivory tip, best on the market, each (if by mail add 3c)	75
Knives, Budding: Smaller blade than the I. X. L., no ivory tip, each, (if by mail add 2c)	25
Knives, Grafting: Wostenholm's I.X.L. Designed expressly for grafting. The finest knife we can buy. English steel, hand forged, each (if by mail add 3c)	50

Nurserymen's Supplies

CONTINUED

Knives, Grafting: The best all around reasonably priced grafting knives we know of. Have used them in our grafting rooms and sold them to the trade for years and they give excellent satisfaction. American make, square point, hand forged from best Swedish steel, each (if by mail add 3c)	40
Knives, Grafting: American make, round point, hand forged from best Swedish steel, a very handy pocket knife. Every Nurseryman needs one, each (if by mail add 3c)	25
Knives, Pruning: Wostenholm's I. X. L. large size, none better, each (if by mail add for postage on a weight of 7 oz. per knife)	75
Knives, Pruning: Wostenholm's I. X. L., smaller than one quoted above, fine for light pruning, each, (if by mail add 4c)	50
Knives, Pruning: Keen Kutter, for light pruning, each, (if by mail add 4c)	50
Labels: Put up in neat packages of 1000 each, ready for use, they are of superior quality and will please	
Notched, Iron-wired, 3½ inch plain, per 1000.....	80
Notched, Copper-wired, 3½ inch plain, per 1000....	1 00
Notched and pierced, Iron-wired, 3½ inch plain, per 1000.....	90
Moss: In wire bound bales, per bale, (will wrap each bale in burlap for 15c extra)	1 50
Mule Skin Mittens: Made of mule skin, very durable and wear like buckskin, just the thing to handle roses, trees, etc., there are two sheaths, one for the forefinger and one for the other three fingers, per pair	40
per dozen pair	4 25
Needles: For sewing burlap, 6 inch curved, best, per dozen	65
Order Books: Containing 25 order sheets, also duplicates of different color. Our name does not appear on these blanks, each.....	25
per dozen books	2 40
Paper: To line boxes and protect contents from wind, frost etc., comes in 75 lb. rolls, 33 inches wide, extra good quality per lb.....	03
Pruning Shears: California pattern, 9 inches, plain nut, steel blades, blued flat steel, volute spring, each..	60
Raffia: Fresh stock, "Red Star Brand," per lb.....	15
Sewing Twine: For burlapping, in skeins, per lb.....	30
Shingle-Tow: Baled, average 75 lbs. per bale, per 100 lbs., (will wrap each bale in burlap for 15c extra)	75
Sisal: 2 ply, for tying large bales, per lb	10
Spades: Ames make, the best heavy nursery spade, double strapped full length, each	1 75
Stock Books: We have these ruled and bound especially for us and we believe they are the best stock books made. Ruled in two colors, with spaces for varieties, grades, stock on hand, stock bought and stock sold. A necessity in every nursery office. per book, (Send for sample sheet)	3 50
Tarred Lath Yarn: Used for tying trees, put up in 5 lb. balls, per lb.....	10
Tube Rope: 6 ply for tying trees, put up in 5 lb. balls, per lb	10
Wool Twine: 4 ply, for tying trees, put up in 1 lb balls, per lb	10

1870 . . 1913

Forty-Three Years
